

Q3 Cont separation which forms a discontinuous polyethylene phase expansion. Upon meting, conducting polymer composite materials have been realized in co-polymer blends too, such as polyethylene-polystyrene copolymers wherein conducting fillers such as carbon black can bring about electrical percolation at doping levels below 3 wt%. As a result, a co-polymer which otherwise shows a resistance of the order of MOhms, shows below 1000Ohms when doped with conducting filler such as carbon black. This aspect in particular is used in sensor technology.

Please amend the paragraph starting on page 4 line 27 to read as follows:

Q4 Accordingly the present invention relates to a magneto-resistive CrO_2 polymer composite blend that can be made into a film or artefact for use in magnetic storage devices such as audio and video tapes, magnetic read heads, magnetic field probes or current voltage sensors in electrical devices, comprising :

88% - 93% w/w of low density polyethylene;

5 - 8% w/w of CrO_2 ; and

2 - 4 % w/w carbon black.

Please add a new paragraph after page 7 line21:

Q5 Useful compositions include those which melt at 95°C under a pressure of 5kPa.

On page 8 after the Table please add the following paragraph:

Q6 The additive, typically carbon black, is conveniently used in the form of a powder.

IN THE CLAIMS

Please amend claim 1 to read as follows:

Q7 1(Amended) A magneto-resistive CrO_2 polymer composite film for use in magnetic storage devices comprising :

88% - 93% w/w of low density polyethylene;

5 - 8% w/w of CrO_2 ; and